

CLAIMS

1. (Currently Amended) A handheld Multi-Function Peripheral (MFP), comprising:
a ~~single~~ housing;
an operation panel at the housing, wherein the operation panel is configured to allow for a
user to input [[a]] data and a scanning order; and
a scanning apparatus positioned at least partially in the housing, wherein the scanning
apparatus is configured to control ~~capable of controlling~~ a scanning operation after receiving the
scanning order, and wherein the scanning apparatus comprises ~~comprising~~:
a scanning channel configured as a passage in the ~~single~~ housing for a to-be-scanned
document to pass through;
wherein the scanning channel and the operation panel ~~respectively~~ lie in substantially
parallel planes and substantially overlap one another in a direction substantially perpendicular to
the substantially parallel planes.
2. (Currently Amended) The handheld ~~Multi-Function Peripheral according to~~ MFP
of claim 1, further comprising a Personal Digital Assistant (PDA).
3. (Currently Amended) The handheld ~~Multi-Function Peripheral according to~~ MFP
of claim 2, wherein the PDA further comprises a display for showing the data and the scanning
order condition.
4. (Currently Amended) The handheld ~~Multi-Function Peripheral according to~~ MFP
of claim 3, wherein the PDA display comprises a touch screen integrated with a Liquid Crystal
Display (LCD).
5. (Currently Amended) The handheld ~~Multi-Function Peripheral according to~~ MFP
of claim 4, wherein the PDA further comprises a stylus, which is removably positioned on the
PDA, for touching the PDA display to input the data and ~~give~~ the scanning order, and wherein

the stylus can be used to edit an the image on the PDA display is capable of being edited on the PDA after scanning.

6. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim 2, wherein the PDA ~~further~~ includes a control button configured to allow ~~for~~ the user to input the data and ~~give~~ the scanning order.

7. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim 1, further comprising a calculator.

8. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim 7, wherein the calculator further includes a display for showing the data and the scanning ~~order condition~~.

9. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim 8, wherein the calculator display comprises a Liquid Crystal Display (LCD).

10. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim 8, wherein the calculator further includes a key part configured to allow ~~for~~ the user to input the data and ~~give~~ the scanning order.

11. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim 1, wherein the scanning apparatus further comprises a light source positioned in a side of the scanning channel to provide light for scanning, and wherein the light source comprises a Light Emitting Diode (LED).

12. (Currently Amended) The handheld ~~Multi-Function Peripheral according to MFP~~ of claim ~~31-4~~, wherein the photoelectronic imaging device comprises a Charged Coupled Device ~~device~~ (CCD).

13. (Currently Amended) The handheld ~~Multi Function Peripheral according to MFP~~ of claim ~~31-4~~, wherein the photoelectronic imaging device comprises a Contact Image Device ~~(CID)-(CIS)~~.

14. (Currently Amended) The handheld ~~Multi Function Peripheral according to MFP~~ of claim 1, wherein the scanning apparatus further comprises a transmission mechanism for transmitting the to-be-scanned document through ~~in~~ the scanning channel.

15. (Currently Amended) The handheld ~~Multi Function Peripheral according to MFP~~ of claim 14, wherein the transmission mechanism includes ~~a plurality of~~ one or more rollers.

16. (Currently Amended) The handheld ~~Multi Function Peripheral according to MFP~~ of claim 1, wherein the to-be-scanned document comprises a business card.

17. (Currently Amended) An apparatus, comprising:
a single housing;
an operation panel at the housing, wherein the operation panel is configured to allow for a user to input ~~[[a]]~~ data and a scanning order;
a control processing unit positioned at least partially in the housing and electrically connected to the operation panel for directing logic operation, directing ~~and~~ data processing, and receiving the scanning order; and
a scanning apparatus positioned at least partially in the housing and electrically connected to the control processing unit for performing a scanning operation on a to-be-scanned document, wherein the control processing unit is configured to control ~~being capable of controlling~~ the scanning operation of the scanning apparatus after receiving the scanning order, and wherein the scanning apparatus comprises ~~comprising~~:
a scanning channel for the to-be-scanned document;
a light source positioned in a side of the scanning channel to provide ~~the~~ light for scanning; and
a photoelectronic imaging device positioned in the side of the scanning channel to capture an image of the to-be-scanned document;

wherein the scanning channel and the operation panel ~~respectively~~ lie in substantially parallel planes and substantially overlap one another in a direction substantially perpendicular to the substantially parallel planes, and wherein the scanning apparatus is configured to ~~capable of scanning concurrently scan both two sides of the to-be-scanned to-be-scanned document~~ documents.

18. (Canceled)

19. (Currently Amended) The apparatus ~~of-according to~~ claim 17, wherein the operation panel is configured to display the image of ~~being capable of displaying~~ the to-be-scanned document in response to the scanning operation.

20. (Currently Amended) The apparatus ~~of-according to~~ claim 17, wherein the operation panel is configured to receive ~~being capable of receiving~~ an input from a user to control the scanning operation.

21. (Currently Amended) The apparatus ~~of-according to~~ claim 17, further comprising a second light source and a second photoelectronic imaging device located on an opposite side of the scanning channel as the light source and the photoelectronic ~~photoelectric~~ imaging device.

22. (Currently Amended) The apparatus ~~of-according to~~ claim 21, wherein the second photoelectronic imaging device is configured to capture a second image ~~located on an opposite side of the to-be-scanned to-be-scanned document,~~ and wherein both the image and the second image are being captured substantially concurrently.

23. (Currently Amended) The handheld MFP of Multi-Function Peripheral ~~according to~~ claim 1, further comprising two photoelectronic imaging devices located on opposite sides of the scanning channel, wherein the scanning apparatus is configured to substantially ~~capable of~~ concurrently scan both ~~scanning the opposite sides of the to-be-scanned to-be-scanned~~ document.

24. (Currently Amended) The handheld MFP of Multi-Function Peripheral ~~according to claim 23,~~ wherein the scanning apparatus is configured to scan both the opposite sides of the to-be-scanned are concurrently scanned while the document while the document is being transmitted through the scanning channel[[,]] from a first end of the MFP to a second end of the MFP opposite the first end.

25. (Currently Amended) An apparatus, comprising:
means for entering a scanning job comprising an operation panel;
means for transmitting a document through a scanning channel;
means for scanning a first image of a first side of the document; and
means for scanning a second image ~~located on~~ of a second side of the document, wherein the second side is opposite the first side, wherein the first and second images are substantially concurrently scanned, and wherein the scanning channel and the operation channel lie in substantially parallel planes and substantially overlap one another in a direction substantially perpendicular to the substantially parallel planes.

26. (Currently Amended) The apparatus of ~~according to~~ claim 25, wherein the apparatus is a hand-held Multi-Function Peripheral ~~multi-function peripheral~~.

27. (Currently Amended) The apparatus of ~~according to~~ claim 25, wherein the means for entering a ~~the~~ scanning job is located directly above the scanning channel.

28. (Currently Amended) The apparatus of ~~according to~~ claim 25, wherein the scanning channel is oriented below ~~under~~ the means for entering the ~~the~~ scanning job in an approximately horizontal plane.

29. (Currently Amended) The apparatus of ~~according to~~ claim 28, wherein the scanning channel is configured to transmit the document from a first end of the apparatus and out a second end of the apparatus opposite the first end.

30. (Currently Amended) The apparatus of ~~according to~~ claim 28, wherein both the first and second images are substantially concurrently scanned while the document is being transmitted through the scanning channel in the approximately horizontal plane.

31. (New) The handheld MFP of claim 1, further comprising a photoelectronic imaging device positioned in a side of the scanning channel to capture an image of the to-be-scanned document.